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(54) **Ethylene-propylene copolymer.**

(57) The present invention relates to new ethylene-propylene copolymers and to a process for preparing the same. The present copolymers are characterized by having both of a reactivity ratio product  $r_1 r_2$  between 0.5 and 1.5 and an isotactic index greater than 0. The present copolymers may be obtained by copolymerizing ethylene and propylene in the presence of a metallocene catalyst catalyst containing a group IVb metal and an alumoxane co-catalyst.

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## EUROPEAN SEARCH REPORT

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EP 89 12 2919

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	EP-A-0 185 918 (HOECHST) * Claims 1-3; examples 7,8; page 4, paragraph 1; page 3, lines 18-19; table 1; page 5, paragraphs 1,2 * ---	1-11	C 08 F 210/06 C 08 F 4/642
X	EP-A-0 074 194 (SHOWA DENKO) * Claims 1,2; page 2, line 31 - page 8, line 20 * ---	1-7	
X	US-A-4 340 704 (I. BORGHI et al.) * Claim 1; column 2, line 40 - column 4, line 17 * -----	1-7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 08 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-04-1992	Examiner DE ROECK R.G.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... Δ : member of the same patent family, corresponding document	